

## List of Publications: Etsuko Fujita

1. Transition-Metal Based Photocatalysis for CO<sub>2</sub> Reduction, E. Fujita, Y. Hayashi, S. Kita and B. S. Brunschwig, Proceedings of the 7<sup>th</sup> International Conference on Carbon Dioxide Utilization, Seoul, Korea, In *Studies in Surface Science and Catalysis*, Vol. X, Elsevier, Amsterdam, submitted.
2. Characterization of Transit Species and Products in Photochemical Reactions of Re(dmb)(CO)<sub>3</sub>Et with and without CO<sub>2</sub>, K. Shinozaki, Y. Hayashi, B. S. Brunschwig, and E. Fujita, *Research on Chemical Intermediates*, submitted.
3. Involvement of a Binuclear Species with the Re-C(O)O-Re Moiety in CO<sub>2</sub> Reduction Catalyzed by Tricarbonyl Rhenium(I) Complexes with Diimine Ligands: Strikingly Slow Formation of the Re-Re and Re-C(O)O-Re Species from Re(dmb)(CO)<sub>3</sub>S (dmb = 4,4'-dimethyl-2,2'-bipyridine, S = Solvent), Y. Hayashi, S. Kita, B. S. Brunschwig, and E. Fujita, *J. Am. Chem. Soc.* **2003**, *125*, 11976-11987.
4. Mechanistic Information from Pressure Acceleration of Hydride Formation via Proton Binding to a Cobalt(I) Macrocycle, E. Fujita, J. F. Wishart and R. van Eldik, *Inorg. Chem.* **2002**, *41*, 1579-1583.
5. Reduction of Cobalt and Iron Corroles and Catalyzed Reduction of CO<sub>2</sub>, J. Grodkowski, P. Neta, E. Fujita, A. Mahammed, L. Simkhovich and Z. Gross, *J. Phys. Chem. A*, **2002**, *106*, 4772-4778.
6. Carbon Dioxide as a Feedstock, C. Creutz and E. Fujita, In *Carbon Management: Implication for R&D in the Chemical Science and Technology, A Workshop Report to the Chemical Sciences Roundtable*, National Research Council, National Academy Science, Washington, DC, pp 83-92, 2001.
7. Opportunities for Catalysis Research in Carbon Management, H. Arakawa, M. Aresta, J. N. Armor, M. A. Bartea, E. J. Beckman, A. T. Bell, J. E. Bercaw, C. Creutz, E. Dinjus, D. A. Dixon, K. Domen, D. L. Dubois, J. Eckert, E. Fujita, D. H. Gibson, W. A. Goddard, D. W. Goodman, J. Keller, G. J. Kubas, H. H. Kung, J. E. Lyons, L. E. Manzer, T. J. Marks, K. Morokuma, K. M. Nicholas, R. Periana, L. Que, J. Rostrup-Nielson, W. M. H. Sachtler, L. D. Schmidt, A. Sen, G. A. Somorjai, P. C. Stair, B. R. Stults and W. Tumas, *Chem. Rev.* **2001**, *101*, 953-996.
8. Homogeneous Redox Catalysis in CO<sub>2</sub> Fixation, E. Fujita and B. S. Brunschwig, In *Catalysis, Heterogeneous Systems, Gas Phase Systems*, Vol.4, *Electron Transfer in Chemistry*, Edited by Balzani, et al.; WILEY-VCH: pp 88-126, 2001
9. Reduction of Cobalt and Iron Phthalocyanines and the Role of the Reduced Species in Catalyzed Photoreduction of CO<sub>2</sub>, J. Grodkowski, T. Dhanasekaran, P. Neta, P.

Hambright, B. S. Brunschwig, K. Shinozaki and E. Fujita, *J. Phys. Chem. A*, **2000**, *104*, 11332-11339.

10. Carbon Dioxide Fixation (Chapter 11), E. Fujita and D. L. DuBois, In *Photoconversion of Solar Energy Photochemical and Photoelectrochemical Approaches to Solar Energy Conversion*, Edited by Archer, M. D. and Nozik, A. J.; Imperial College Press: in press
11. Carbon Dioxide Reduction, E. Fujita, In *The 2001 McGraw-Hill Yearbook of Science & Technology*, Licker, M. D.; McGraw-Hill Book Co, New York, NY, pp 71-74, 2000
12. Characterization of Ru(bpy)<sub>2</sub>(CO)(COO) Prepared by CO<sub>2</sub> Addition to Ru(bpy)<sub>2</sub>(CO) in Acetonitrile, E. Fujita, M. Chou and K. Tanaka, *Appl. Organometal. Chem.* **2000**, *14*, 844-846.
13. *p*-Terphenyl Sensitized Photoreduction of CO<sub>2</sub> with Cobalt- and Iron-Porphyrins. Interaction Between CO and Reduced Metalloporphyrins, T. Dhanasekaran, J. Grodkowski, P. Neta, P. Hambright and E. Fujita, *J. Phys. Chem. A*, **1999**, *103*, 7742-7748.
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